
Network implementation of Equal Access

This section provides the procedures necessary to implement Equal Access restrictions and routing. Equal Access is not a BARS or NARS feature and does not require BARS or NARS dialing to function correctly.

The implementation procedures will show how to configure the following in a BARS or NARS environment:

- Equal Access restrictions and
- Equal Access routing

Only the service change information is shown here. For a complete discussion of prompts and responses refer to the *X11 input/output guide*.

Equal Access restriction configuration for BARS or NARS

Equal Access toll restriction is intended for use on an outgoing route from a Meridian 1 to a Central Office. This feature is not intended for restriction of calls which terminate on a network node. Therefore, network signaling (ESN3, ESN5, or ETN) is not supported.

Within a network Equal Access toll calls should be restricted at the outgoing node (the node which is directly connected to the Central Office).

The following procedure shows the steps that must be performed to correctly implement Equal Access restrictions for X11 Release 20 and later for BARS or NARS. The following assumptions are used:

- Equal Access is for customer 0,
- all Equal Access routing is performed using route 10, and
- all direct dialed Equal Access toll calls from sets with a Network Class of Service (NCOS) of 4 are to be restricted.

Procedure 4
Implementing Equal Access restrictions for BARS or NARS

- 1** Configure an NCOS for Equal Access (LD 87)
- 2** Assign NCOS to a set (LD 10, 11, or 27)
- 3** Enable Equal Access restrictions on the route (LD 16)

Step 1

Configure an NCOS for Equal Access (LD 87)

Prompt	Response	Description
REQ	CHG	Modify existing data block
CUST	0-99	Customer number
FEAT	NCTL	Network Control data block
...		
NCOS	4	Network Class of Service group
EQA	YES	Equal Access restrictions allowed
...		

Step 2

Assign NCOS to a set (LD 10, 11, or 27)

Prompt	Response	Description
REQ	CHG	Modify existing data block
TYPE	aaa	Specify set type
TN	l s c u	Specify Terminal Number of set to be modified
...		
NCOS	4	Network Class of Service group 4 assigned to set
...		

Step 3**Enable Equal Access restrictions on the route (LD 16)**

Prompt	Response	Description
REQ	CHG	Change data block
TYPE	RDB	Route Data Block
CUST	0-99	Customer number
ROUT	XXX	Route number
...		
EQAR	YES	Equal Access Restrictions enabled for this route
NTOL	DENY	North American toll calls are denied
ITOL	<cr>	International toll calls are denied
...		

Configuring BARS or NARS for Equal Access routing

Equal Access routing does not consider a call's origination type when determining restriction status. Therefore, the previous restriction configuration example applies to all allowable types of Equal Access calls (trunk access code, BARS and NARS).

Configuring BARS or NARS to route Equal Access calls is a matter of assigning the Equal Access identifier (the digits 10) as a Special Number (SPN) and routing the calls accordingly.

The following procedure assumes the following:

- Equal Access is for customer 0,
- route 10 is used to route Equal Access calls,
- Route List Index (RLI) 100 will have route 10 as a member,
- Access Code 1 (AC1) is used to route all Equal Access calls, and
- all direct dialed Equal Access toll calls from sets with a Network Class of Service (NCOS) of 4 are to be restricted.

Note: This procedure uses 10 as the Equal Access identifier SPN, this indicates that the original format CAC is being used. If the Expanded CAC format is required, define 101 as the Equal Access identifier SPN.

Procedure 5

Configure BARS or NARS for Equal Access routing

- 1 Configure a RLI to include route 10 as a member (LD 86)
- 2 Define Equal Access identifier as a SPN (LD 90)
- 3 Configure a NCOS for Equal Access (LD 87)
- 4 Assign NCOS to a set (LD 10, 11, or 27)
- 5 Enable Equal Access restrictions on the route (LD 16)

Step 1

Configure a RLI to include route 10 as a member (LD 86)

Prompt	Response	Description
REQ	NEW	Create new data block
CUST	0-99	Customer number
FEAT	RLB	Route List Block
RLI	100	Route List Index 100
ENTR	0	Entry number in RLB
...		
ROUT	10	Route 10 defined as member
...		

Step 2

Define Equal Access identifier as a SPN (LD 90) (Part 1 of 2)

Prompt	Response	Description
REQ	NEW	Create a new data block
CUST	0-99	Customer number
FEAT	NET	Network Translator

Step 2**Define Equal Access identifier as a SPN (LD 90) (Part 2 of 2)**

Prompt	Response	Description
TRAN	AC1	Translator for Access Code 1
TYPE	SPN	Type of number is a Special Number
SPN	10	Equal Access identifier defined as Special Number
RLI	100	Route List Index used to route calls using this number
...		

Step 3**Configure a NCOS for Equal Access (LD 87)**

Prompt	Response	Description
REQ	CHG	Change existing data block
CUST	0-99	Customer number
FEAT	NCTL	Network Control data block
...		
NCOS	4	Network Class of Service group
EQA	YES	Equal Access restrictions allowed
...		

Step 4**Assign NCOS to a set (LD 10, 11, or 27)**

Prompt	Response	Description
REQ	CHG	Change existing data block
TYPE	aaa	Specify set type
TN	l s c u	Specify Terminal Number of set to be modified
...		
NCOS	4	Network Class of Service group 4 assigned to set
...		

Step 5

Enable Equal Access restrictions on the route (LD 16)

Prompt	Response	Description
REQ	CHG	Change data block
TYPE	RDB	Route Data Block
CUST	0-99	Customer number
ROUT	XXX	Route number
...		
EQAR	YES	Equal Access Restrictions enabled for this route
NTOL	DENY	North American toll calls are denied
ITOL	<cr>	International toll calls are denied
...		